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(54) Terminal device for using telecommunication services

(57) The terminal device according to the invention provides means for connecting said terminal device with telecommunication network for utilizing data based services and means for offering information processing services, such as display and means for data input. The user utilizes data processing services, e.g. WWW browser prior known from Internet, without a mouse or any corresponding pointing device. In the terminal device according to the invention the data connection with the telecommunication network is closed in order to save current and cost, when data transfer is not needed. The closing of the data connection is optimized between service speed and current saving. In the terminal device according to the invention the user interface and the use of WWW services are functionally divided into several logical levels.

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EUROPEAN SEARCH REPORT

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EP 97 10 1184

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cls.)
X	EP 0 605 349 A (IBM) * column 2, line 39 - column 3, line 22 *	1,2	H04L29/06
A	* column 4, line 1 - line 42 * * column 5, line 35 - column 7, line 25 * * column 8, line 31 - column 9, line 1 *	3-6	
X	WO 93 07684 A (SIXTEL) * page 13, line 15 - page 15, line 27 *	1-3	
A	EP 0 695 075 A (ATT) * abstract * * claims 1-3 *	1-6	
X	EP 0 666 681 A (TRANSACTION TECHNOLOGY, INC.) * column 17, line 10 - line 37 *	7,8	TECHNICAL FIELDS SEARCHED (Int.Cls.) H04L
X	WO 94 12938 A (COMPAQ COMPUTER) * page 4, line 7 - page 6, line 32 * * page 26, line 24 - page 29, line 13 *	7,8	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 September 1997	Examiner Canosa Arete, C
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			

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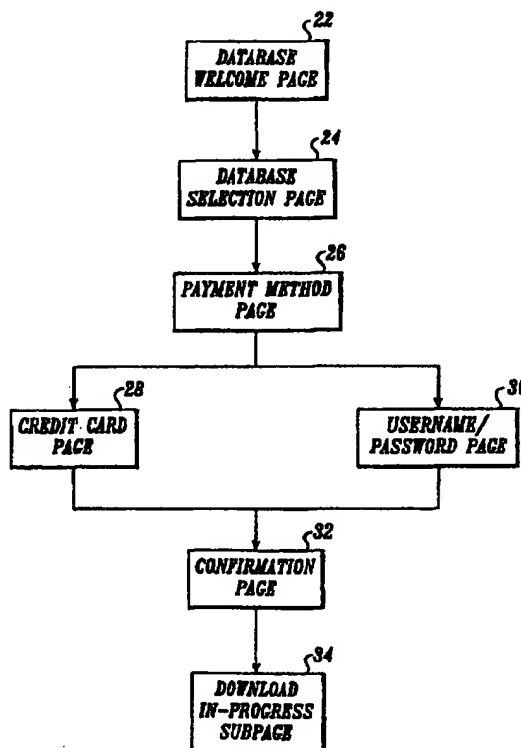
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(54) Title: COPY PROTECTION FOR DATABASE UPDATES TRANSMITTED VIA THE INTERNET

(57) Abstract

A system for transmitting a database or other software over a communication link, such as the Internet, which prevents unauthorized use. In order to prevent such unauthorized use, the customer's equipment, such as a GPS unit, is provided with a unique software key. The updated database is ordered over the communication link by providing the unique software key and may include electronic payment information. The database is encrypted, for example, as a function of the unique software key and transmitted over the communication link in encrypted form along with an upload program. The upload program only allows the encrypted database to be uploaded into a unit with a matching software key. As such, the system allows updated databases to be transmitted rather quickly and easily over a communication link while preventing unauthorized use.



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